



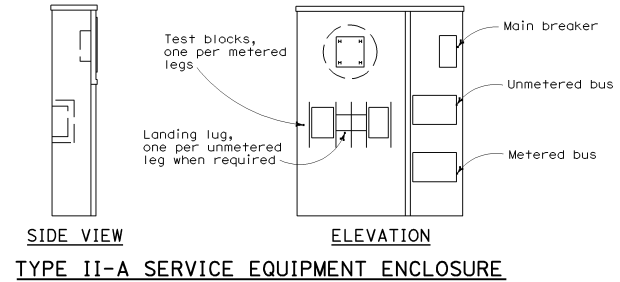
DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Martha V. Shyer
REGISTERED ELECTRICAL ENGINEER
No. E13738
Exp. 6-30-07
STATE OF CALIFORNIA

July 1, 2004
PLANS APPROVAL DATE

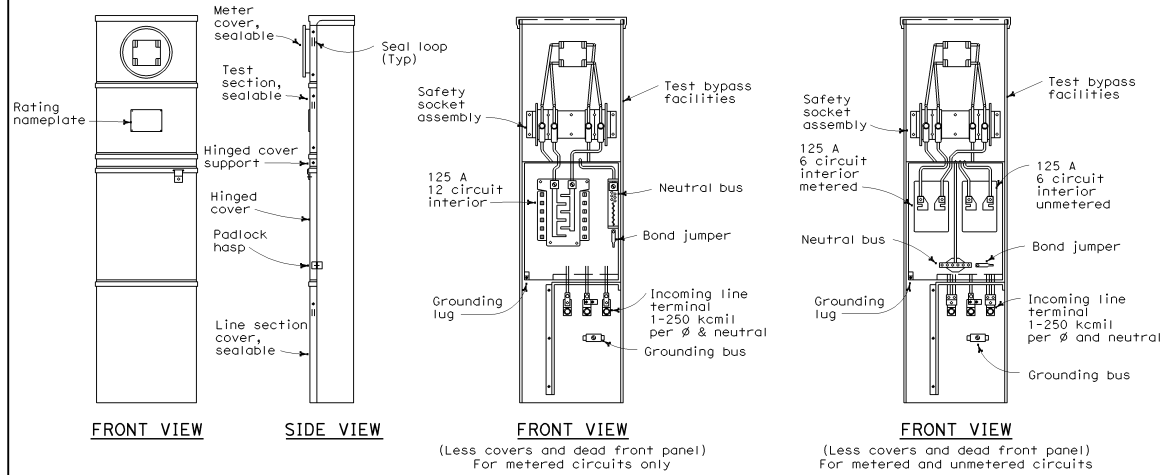
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NOTES-TYPE II SERVICE EQUIPMENT ENCLOSURES

- Service equipment enclosures and metering equipment shall meet the requirements of the service utility. When the service utility provides both metered and unmetered circuits, a separate bus shall be provided for each circuit.
- Service equipment enclosures shall be factory wired NEMA 3R construction and shall be provided with dead front panel and provisions for padlocking.
- Control wiring shall be 600 V, No. 14 AWG stranded (THHN) machine tool wire. Where subject to flexing, 19 strand wire shall be used.
- Main bus shall be rated for 125 A and shall be tin-plated copper.
 - Adjacent to the breaker or device with character size a minimum of 3 mm.
 - At the top of the exterior door panel indicating system number, voltage level and number of phases with character size a minimum of 5 mm.
- A plastic laminated wiring diagram shall be provided and attached to the inside of the front door.
- In unpaved areas, a raised portland cement concrete pad of 600 mm x 100 mm x width of service equipment enclosure foundation or controller cabinet foundation shall be constructed in front of Type II service equipment enclosure.
- Internal bus, where shown, is typical only. Alternative designs of proposed service equipment enclosure shall be submitted to the Engineer for approval.
- Circuit breakers may be mounted in the vertical or horizontal position.
- Dimensions of service equipment enclosures shall meet the requirements of the service utility.
- Minimum clearance shall be required for front and back of service equipment enclosures per National Electrical Code, Article 110.26, "Spaces About Electrical Equipment (600 Volts, Nominal, or Less)".



TYPE II-B SERVICE EQUIPMENT ENCLOSURE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS
(SERVICE EQUIPMENT
TYPE II SERIES)**

NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN